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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kathryn E. Uhrich et al.

Title: THERAPEUTIC DEVICES FOR PATTERNED CELL GROWTH

Docket No.: 1435.028US1

Filed: July 17, 2003

Examiner: Unknown

Serial No.: 10/622,072

Due Date: N/A

Group Art Unit: 1615

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (2 pgs.).
- ☒ An Information Disclosure Statement (2 pgs.), Form 1449 (8 pgs.), and copies of 102 cited documents.
- ☒ Copy of International Search Report from corresponding foreign application no. PCT/US03/22361 (5 pgs.).

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Customer Number 21186

By: Monique M. Perdok Shonka
Atty: Monique M. Perdok Shonka
Reg. No. 42,989

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Nicole Jane
Name

Monique M. Perdok Shonka
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)

S/N 10/622,072



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Kathryn E. Uhrich et al.	Examiner:	Unknown
Serial No.:	10/622,072	Group Art Unit:	1615
Filed:	July 17, 2003	Docket:	1435.028US1
Title:	THERAPEUTIC DEVICES FOR PATTERNED CELL GROWTH		

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the listed attached documents were discovered as a result of a Search Report in Applicants' corresponding foreign patent application no. PCT/US03/22361. Enclosed for the Examiner's information is a copy of the cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.



The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative.

Respectfully submitted,
KATHRYN E. UHRICH ET AL.

By their Representatives,
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Date Jan 31, 2005

By Monique M. Perdok Shonka
Monique M. Perdok Shonka
Reg. No. 42,989

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Nicole Jan
Name

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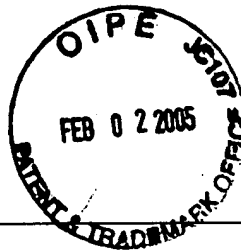
Title: THERAPEUTIC DEVICES FOR PATTERNED CELL GROWTH

COMMUNICATION CONCERNING RELATED APPLICATIONS

Mail Stop Amendment
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Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/508,217	March 8, 2000	1435.008US1	POLYANHYDRIDES WITH THERAPEUTICALLY USEFUL DEGRADATION PRODUCTS
09/455,861	December 7, 1999	1435.013US1	POLYANHYDRIDES WITH THERAPEUTICALLY USEFUL DEGRADATION PRODUCTS TO PROMOTE HEALING OF BONE AND SOFT TISSUE
09/422,294	October 21, 1999	1435.015US1	POLYANHYDRIDES WITH BIOLOGICALLY ACTIVE DEGRADATION PRODUCTS
10/254,191	September 24, 2002	1435.014US3	POLYANHYDRIDES WITH BIOLOGICALLY ACTIVE DEGRADATION PRODUCTS
10/273,244	October 17, 2002	1435.012US2	POLYANHYDRIDE LINKERS FOR PRODUCTION OF DRUG POLYMERS AND DRUG POLYMER COMPOSITIONS PRODUCED THEREBY
10/368,288	February 18, 2003	1435.013US3	THERAPEUTIC COMPOSITIONS AND METHODS



10/646,336	August 22, 2003	1435.021US2	THERAPEUTIC POLYANHYDRIDE COMPOUNDS FOR DRUG DELIVERY
10/647,701	August 25, 2003	1435.010US2	THERAPEUTIC AZO- COMPOUNDS FOR DRUG DELIVERY
10/712,416	November 10, 2003	1435.010US3	THERAPEUTIC AZO- COMPOUNDS FOR DRUG DELIVERY
10/753,048	January 6, 2004	1435.017US2	THERAPEUTIC POLYESTERS AND POLYAMIDES

Respectfully submitted,
KATHRYN E. UHRICH ET AL.

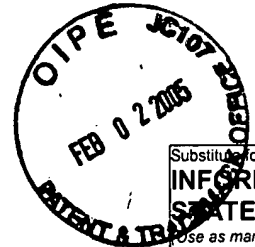
By Applicants' Representatives,
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Date Jan-31, 2005 By Monique M. Perdok Shonka
Monique M. Perdok Shonka
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Complete if Known

Application Number	10/622,072
Filing Date	July 17, 2003
First Named Inventor	Uhrich, Kathryn
Group Art Unit	1615
Examiner Name	Unknown

Sheet 1 of 8

Attorney Docket No: 1435.028US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2003/0035787A1	02/20/2003	Uhrich, Kathryn E.	09/24/2002
	US-2004/0038948A1	02/26/2004	Uhrich, Kathryn E.	02/18/2003
	US-2004/0044125A1	03/04/2004	Uhrich, Kathryn E.	08/25/2003
	US-2004/0096476A1	05/20/2004	Uhrich, Kathryn E., et al.	07/17/2003
	US-4,062,855	12/13/1977	Allan, G. G., et al.	09/27/1971
	US-4,126,445	11/21/1978	Allan, G. G., et al.	05/10/1976
	US-4,164,560	08/14/1979	Folkman, Moses J., et al.	01/05/1977
	US-4,298,595	11/03/1981	Parkinson, Thomas M., et al.	11/29/1979
	US-4,591,496	05/27/1986	Cohen, Jonathan M., et al.	01/16/1984
	US-4,757,128	07/12/1988	Domb, Abraham J., et al.	08/01/1986
	US-4,792,598	12/20/1988	Ziegast, Gerd	09/29/1986
	US-4,857,311	08/15/1989	Domb, Abraham J., et al.	07/31/1987
	US-4,868,274	09/19/1989	Gupta, Balaram , et al.	05/23/1988
	US-4,886,870	12/12/1989	D'Amore, Patricia , et al.	02/15/1985
	US-4,888,176	12/19/1989	Langer, Robert S., et al.	06/12/1987
	US-4,891,225	01/02/1990	Langer, Robert S., et al.	01/21/1986
	US-4,906,474	03/06/1990	Langer, Robert S., et al.	05/21/1984
	US-4,916,204	04/10/1990	Domb, Abraham J., et al.	07/31/1987
	US-4,997,904	03/05/1991	Domb, Abraham J.	08/25/1989
	US-4,999,417	03/12/1991	Domb, Abraham J.	03/30/1989
	US-5,032,216	07/16/1991	Felten, John J.	08/29/1990
	US-5,082,925	01/21/1992	Shalaby, Shalaby W., et al.	08/16/1990
	US-5,160,745	11/03/1992	DeLuca, Patrick P., et al.	01/09/1990
	US-5,175,235	12/29/1992	Domb, Abraham J., et al.	06/04/1990
	US-5,259,968	11/09/1993	Emert, Jacob , et al.	10/14/1992
	US-5,264,540	11/23/1993	Cooper, Kevin , et al.	07/20/1992
	US-5,290,494	03/01/1994	Coombes, Allan G., et al.	07/16/1992
	US-5,317,079	05/31/1994	Domb, Abraham J., et al.	09/18/1992
	US-5,498,729	03/12/1996	Domb, Abraham J.	02/22/1993
	US-5,512,131	04/30/1996	Kumar, Amit , et al.	10/04/1993
	US-5,514,764	05/07/1996	Fretchet, Jean M., et al.	01/01/1995
	US-5,518,730	05/21/1996	Fuisz, Richard C.	06/03/1992
	US-5,545,409	08/13/1996	Laurencin, Cato T., et al.	04/05/1994
	US-5,629,009	05/13/1997	Laurencin, Cato T., et al.	08/07/1996
	US-5,660,851	08/26/1997	Domb, A. J.	06/05/1995
	US-5,721,131	02/24/1998	Rudolph, Alan S., et al.	04/28/1994
	US-5,776,748	07/01/1998	Singhvi, Rahul , et al.	06/06/1996
	US-5,798,115	08/25/1998	Santerre, Paul J., et al.	02/13/1997
	US-5,837,278	11/17/1998	Geistlich, Peter , et al.	01/04/1995
	US-5,889,028	03/30/1999	Sandborn, William	08/07/1997

EXAMINER

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Substitute Disclosure Statement Form (PTO-1449)

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STATEMENT BY APPLICANT**

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Application Number	10/622,072
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First Named Inventor	Uhrich, Kathryn
Group Art Unit	1615
Examiner Name	Unknown

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Attorney Docket No: 1435.028US1

	US-5,891,477	04/06/1999	Lanza, Robert P., et al.	03/28/1997
	US-5,902,110	05/11/1999	Alfano, Michael C., et al.	11/03/1997
	US-5,902,599	05/11/1999	Anseth, Kristi S., et al.	02/20/1996
	US-5,937,758	08/01/1999	Maracas, George N., et al.	11/26/1997
	US-5,942,252	08/24/1999	Tice, Thomas R., et al.	06/06/1995
	US-5,958,911	09/28/1999	Evans, R. T., et al.	11/04/1997
	US-5,969,020	10/19/1999	Shalaby, Shalaby W., et al.	02/06/1998
	US-6,071,530	06/06/2000	Polson, Alan M., et al.	06/26/1997
	US-6,123,956	09/26/2000	Baker, Keith, et al.	07/09/1998
	US-6,153,212	11/28/2000	Mao, Hai-quan, et al.	10/02/1998
	US-6,171,610	01/09/2001	Vacanti, Charles A., et al.	11/25/1998
	US-6,280,772	08/28/2001	Pinkus, Alvin G.	12/28/1998
	US-6,365,149	04/02/2002	Vyakarnam, M. N., et al.	12/19/2000
	US-6,468,519	10/22/2002	Uhrich, Kathryn E.	10/21/1999
	US-6,486,214	11/26/2002	Uhrich, Kathryn E.	07/27/2000
	US-6,602,915	08/05/2003	Uhrich, K. E.	07/27/2004
	US-6,613,807	09/02/2003	Uhrich, K. E.	07/27/2001
	US-6,685,928	02/03/2004	Uhrich, K. E., et al.	12/07/2000
	US-6,689,350	02/10/2004	Uhrich, K. E.	07/27/2001

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	AU-750424	03/06/2003	Uhrich, K.	
	CA-2393676	07/06/2002	Uhrich, Kathryn, et al.	
	DD-0288387	03/28/1991	Pinther, Peter, et al.	Abstract Only
	DD-288311	03/28/1991	Schulz, Volker, et al.	Abstract Only
	EP-0246341	11/25/1987	D'Amore, Patricia, et al.	
	EP-0498283	08/12/1992	White, Dwain M., et al.	
	JP-60255797 A	12/17/1985	Shibazaki, Masakatsu, et al.	Abstract Only
	NL-9000237	08/16/1991	Enno, Franciscus H.	Abstract Only
	WO-0066730A1	11/09/2000	Yurchenco, Peter	
	WO-01/28492	04/26/2001	Uhrich, Kathryn E.	
	WO-0141753A2	06/14/2001	Uhrich, Kathryn	
	WO-02/09767	02/07/2002	Uhrich, Kathryn E., et al.	
	WO-02/09768	02/07/2002	Uhrich, Kathryn E.	
	WO-02/09769	02/07/2002	Uhrich, Kathryn E.	
	WO-90/09779	09/07/1990	Benhuri, Marc N.	
	WO-91/09831	07/11/1991	Domb, Abraham J.	
	WO-97/39738	10/30/1997	Ignatious, Francis, et al.	
	WO-9744016A1	11/27/1997	Lee, J., et al.	
	WO-98/36013	08/20/1998	Kohn, Joachim B., et al.	
	WO-99/12990	03/18/1999	Uhrich, Kathryn	

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Sheet 3 of 8

Attorney Docket No: 1435.028US1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	WO-99/29885	06/17/1999	Koch, Rainhard , et al.	
	WO-99/36107	07/22/1999	Shakesheff, Kevin , et al.	
	WO-97/49385	12/31/1997	Santos, Camilla A., et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AEBISCHER, P , et al., "Basic fibroblast growth factor released from synthetic guidance channels facilitates peripheral nerve regeneration across long nerve gaps", <u>Journal of Neuroscience Research</u> , 23(3), (1989),282-9	
		ANASTASIOU, THEODORE J., "Novel Polyanhydrides with Enhanced Thermal and Solubility Properties", <u>Macromolecules</u> , 33 (17), (2000),6217-6221	
		ANASTASIOU, THEODORE J., "Novel, Degradable Polyanhydrides", <u>25th Annual Meeting Transactions of the Society for Biomaterials</u> , Abstract,(1999),79	
		ANASTASIOU, THEODORE J., "Synthesis of Novel, Degradable Polyanhydrides Containing Para-Aminosalicylic Acid as Drug Delivery Devices for Tuberculosis Treatment", <u>Polymer Preprints</u> , 41(2), (August 2000),1366-1367	
		ATTAWIA, MOHAMED A., "Biocompatibility Testing of Poly(anhydride-co-imides) Containing Pyromellitylimidoalanine", <u>The 21st Annual Meeting of the Society for Biomaterials</u> , Abstract,(April 5-9, 1994),222	
		ATTAWIA, MOHAMED A., "Cytotoxicity testing of poly(anhydride-co-imides) for orthopedic applications", <u>Journal of Biomedical Materials Research</u> , 29(10), (1995),1233-1240	
		ATTAWIA, MOHAMED A., "In vitro bone biocompatibility of poly (anhydride-co-imides) containing pyromellitylimidoalanine", <u>Journal of Orthopedic Research</u> , 14(3), (1996),445-454	
		ATTAWIA, MOHAMED A., "Proliferation, Morphology, and Protein Expression by Osteoblasts Cultured on Poly(anhydride-co-amides)", <u>Journal of Biomedical Materials Research</u> , 48(3), (1999),322-327	
		ATTAWIA, MOHAMED A., "Regional drug delivery with radiation for the treatment of Ewing's sarcoma -- In vitro development of a taxol release system", <u>Journal of Controlled Release</u> , 71(2), (2001),193-202	
		ATTAWIA, MOHAMED A., "The Long Term Osteoblast Response to Poly(anhydride-co-imides): A New Degradable Polymer for Use in Bone", <u>Proceedings of the Fifth World Biomaterials Congress, Toronto, Canada</u> , (1996),113	
		BEATON, MICHAEL L., "Synthesis of a novel poly(anhydride-ester)", <u>The Rutgers Scholar - An Electronic Bulletin of Undergraduate Research, Volume 3</u> , http://www.scils.rutgers.edu/~weyang/ejournal/volume03/beatuhri/beatuhri.htm ,(2001),1-7	

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Sheet 4 of 8

Attorney Docket No: 1435.028US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BEDELL, CHRISTI, "Processing and Hydrolytic Degradation of Aromatic, Ortho-Substituted Polyanhydrides", <u>Journal of Applied Polymer Science</u> , 80, (2001),32-38	
		BRAMBLEY, D., et al., "Microlithography: an overview", <u>Advanced Materials for Optics and Electronics</u> , 4(2), (March-April 1994),55-74	
		BRANCH, D W., "Microstamp patterns of biomolecules for high-resolution neuronal networks", <u>Medical & Biological Engineering & Computing</u> , 36(1), (January 1998),135-41	
		BROWN, JOSEPH P., "A Polymeric Drug for Treatment of Inflammatory Bowel Disease", <u>Journal of Medicinal Chemistry</u> , 26(9), (1983),1300-1307	
		BROWN, L., et al., "Transdermal delivery of drugs", <u>Annual Review of Medicine</u> , 39, (1988),221-9	
		CAMPO, CHERYL J., "Polyanhydrides: the effects of ring substitution changes on polymer properties", <u>Polymer Bulletin</u> , 42, (1999),61-68	
		CHAFI, N., "Dosage Form with Salicylic Acid Attached to the Polyanhydride Polymer Dispersed in an Eudragit Matrix", <u>International Journal of Pharmaceutics</u> , 52, (1989),203-211	
		CHANALET, L., et al., "Drugs designed to maintain the transparency of the ocular lens", <u>Fundamental & clinical pharmacology</u> , 8(4), Database Accession No. PREV199598040435 XP002224568,(1994),322-41	
		CHEN, G., "Effect of protein and cell behavior on pattern-grafted thermoresponsive polymer", <u>Journal of Biomedical Materials Research</u> , 42(1), (1998),8-44	
		CONIX, ANDRE, "Aromatic Polyanhydrides, a New Class of High Melting Fiber-Forming Polymers", <u>Journal of Polymer Science</u> , XXIX, (1958),343-353	
		CONIX, ANDRE, "New High-Melting Fibre-Forming Polymers", <u>Die Makromolekulare Chemie</u> , XXIV, (1957),76-78	
		CONIX, ANDRE, "Poly [1,3-bis (p carboxyphenoxy) - Propane anhydride]", <u>Macromolecular Synthesis</u> , 2, (1996),95-99	
		COTLIER, E., "Distribution of salicylate in lens and intraocular fluids and its effect on cataract formation", <u>American Journal of Medicine</u> , 74(6A), (June 1983),83-90	
		DAVARAN, SOODABEH, "Release of 5-amino Salicylic Acid from Acrylic Type Polymeric Prodrugs Designed for Colon-specific Drug Delivery", <u>Journal of Controlled Release</u> , 58(3), (1999),279-287	
		DAVIES, M. C., et al., "The Analysis of the Surface Chemical Structure of Biomedical Aliphatic Polyanhydrides Using XPS and TOF-SIMS", <u>Journal of Applied Polymer Science</u> , 42 (6), John Wiley and Sons Inc. New York, US,(Mar 20, 1991),1597-1605	
		DELAMARCHE, EMMANUEL, et al., "Patterned delivery of immunoglobulins to surfaces using microfluidic networks", <u>Science</u> , 276(5313), (May 2, 1997),779-781	

EXAMINER

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		DEWEZ, J. L., et al., "Adhesion of mammalian cells to polymer surfaces: from physical chemistry of surfaces to selective adhesion on defined patterns", <u>Biomaterials</u> , 19(16), (1998),1441-1445	
		DOMB, A J., "Polyanhydrides. I. Preparation of High Molecular Weight Polyanhydrides", <u>Journal of Polymer Science: Part A: Polymer Chemistry</u> , Vol. 25, (1987),pgs. 3373-3386	
		DOMB, ABRAHAM J., "Synthesis and Characterization of Biodegradable Aromatic Anhydride Copolymers", <u>Macromolecules</u> , 25, (1992),12-17	
		DONTHA, N , "Generation of biotin/avidin/enzyme nanostructures with maskless photolithography", <u>Analytical Chemistry</u> , 69(14), (July 15, 1997),2619-25	
		DUKOVIC, GORDANA , "Novel degradable poly(anhydride-esters) for controlled drug release", <u>The Rutgers Scholar - An Electronic Bulletin of Undergraduate Research</u> , 1, http://www.scils.rutgers.edu/~weyang/ejournal/volume01/uhriduko/uhriduko.htm , (1 999),1-10	
		ERDMANN, LAURA , "Chapter 5: Polymeric Prodrugs: Novel Polymers with Bioactive Components", In: <u>Tailored Polymeric Materials for Controlled Delivery Systems</u> , I. McCulloch, et al., (Editors), ACS Symposium Series 709, American Chemical Society: Washington, D.C.,(1997),83-91	
		ERDMANN, LAURA , "Degradable poly(anhydride ester) implants: effects of localized salicylic acid release on bone", <u>Biomaterials</u> , 21(24), (2000),2507-2512	
		ERDMANN, L. , et al., "Polymer Prodrugs with Pharmaceutically Active Degradation Products", <u>Polymer preprints</u> , American Chemical Society, 38 (2), ISSN: 0032-3934,(1997),570-571	
		ERDMANN, LAURA , "Polymeric Prodrugs: Novel Polymers for Delivery of Salicylic Acid", <u>Annals of Biomedical Engineering</u> , 26 (Suppl. 1), Abstract No. PB.26, Annual Fall Meeting,(1998),S-124	
		ERDMANN, L. , et al., "Polymeric Salicylic Acid: in vitro and in vivo Degradation", <u>Polymer Preprints</u> , American Chemical Society, 39 (2), ISSN: 0032-3934,(1998),224-225	
		ERDMANN, LAURA , "Synthesis and Characterization of a Polymeric Prodrug", <u>Proceedings of the American Chemical Society Division of Polymeric Materials: Science and Engineering</u> , 78, Abstract of Spring Meeting, Dallas, TX,(1998),194	
		ERDMANN, LAURA , "Synthesis and degradation characteristics of salicylic acid-derived poly(anhydrid-esters)", <u>Biomaterials</u> , 21(19), (October 2000),1941-1946	
		GIAMMONA, G. , "Polymeric Prodrugs Alpha Beta Poly-N-hydroxyethyl-DL-aspartamide as a Macromolecular Carrier for Some Non-Steroidal Anti-inflammatory Agents", <u>International Journal of Pharmaceutics</u> , 57, (1989),55-62	
		GOUIN, S. , "New Polyanhydrides Made from a Bile Acid Dimer and Sebacic Acid: Synthesis, Characterization, and Degradation", <u>Macromolecules</u> , 33, (2000),5379-5383	

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Group Art Unit	1615
Examiner Name	Unknown

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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

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		HERBERT, C B., "Micropatterning gradients and controlling surface densities of photoactivatable biomolecules on self-assembled monolayers of oligo(ethylene glycol) alkanethiolates", <u>Chemistry & Biology</u> , 4(10), (1997),731-7	
		IBIM, S., "Controlled Release Based on Poly(anhydride-co-imides)", <u>Proc. Intern. Symp. Control. Rel. Bioact. Mater.</u> , 22, (1995),2 pgs.	
		IBIM, S M., "Poly(anhydride-co-imides): In Vivo Biocompatibility in a rat model", <u>Biomaterials</u> , 19(10), (1998),941-951	
		IBIM, S E., "Preliminary in vivo report on the osteocompatibility of poly(anhydride-co-imides) evaluated in a tibial model.", <u>Journal of Biomedical Material Research</u> , 43(4), (1998),374-379	
		ITO, Y, "Micropatterned immobilization of epidermal growth factor to regulate cell function", <u>Bioconjugate Chemistry</u> , 9(2), (1998),277-82	
		JAMES, C D., "Patterned Protein Layers on Solid Substrates by Thin Stamp Microcontact Printing", <u>Langmuir</u> , 14(4), (1998),741-744	
		JIANG, H. L., "Synthesis, Characterization and In Vitro Degradation of a New Family of Alternate Poly(ester-anhydrides) Based on Aliphatic and Aromatic Diacids", <u>Biomaterials</u> , 22(3), (2001),211-218	
		JUCKER, M, et al., "Fetal rat septal cells adhere to and extend processes on basement membrane, laminin, and a synthetic peptide from the laminin A chain sequence", <u>Journal of Neuroscience Research</u> , 28(4), (1991),507-17	
		KLEINFELD, D, "Controlled outgrowth of dissociated neurons on patterned substrates", <u>Journal of Neuroscience</u> , 8(11), (November 1998),4098-120	
		KROGH-JESPERSEN, E, "Synthesis of a Novel Aromatic Polyanhydride Containing Aminosalicyclic Acid", <u>Polymer Preprints</u> , 41 (1), (2000),1048-1049	
		LANGER, ROBERT, "New Methods of Drug Delivery", <u>Science</u> , 249(4976), (September 1990),1527-1533	
		LAURENCIN, C T., "Poly(anhydrides-co-imides): In Vivo Biocompatibility Study", <u>23rd Annual Meeting of the Society for Biomaterials</u> , New Orleans, LA, (1997),483	
		LAURENCIN, C T., "The Biocompatibility of Poly(anhydride-co-imides): High Strength Polymers for Controlled Drug Delivery", <u>Proc. 24th Int'l Symp. Control. Rel. Bioact. Mater.</u> , (1997),973-974	
		LAURENCIN, C T., "The Bone Biocompatibility of Poly(anhydride-co-imides) - A new generation degradable Polymer for Orthopedic Applications", <u>41st Annual Meeting of the Orthopedic Research Society</u> , Orlando, FL, (1995),143-24	
		LAURENCIN, C T., "The Controlled Delivery of Radiosensitizers: Taxol Treatment for Ewing Sarcoma", <u>Proc. of the 25th Int'l Symp. Control. Rel. Bioact. Mater.</u> , (1998),236-237	
		MACEDO, B., "The in vivo Response to a Bioactive Biodegradable Polymer", <u>Journal of Dental Research</u> , 78, Abstract No. 2827, (1999),459	
		MARCH, JERRY, "Advanced organic chemistry : reactions, mechanisms, and structure", 4th edition, New York : Wiley, (1992),419-437	

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		PINTHER, P. , "Synthesis of Polyanhydrides Containing Ester Groups", <u>Die Makromolekulare Chemie, Rapid Communications</u> , 11(8), (1990),403-408	
		SCHACHT, E. , "Polymers for Colon Specific Drug Delivery", <u>Journal of Controlled Release</u> , 39, (1996),327-338	
		SCHMALENBERG, K , "Microlithographic patterning of polymer substrates for directed neuronal", <u>Polymeric Materials Science Engineering</u> , 81, Fall Meeting, August 22 - 26, 1999, New Orleans, LA,(1999),97	
		SCHMALENBERG, K , "Patterned Polymer Substrates for directing Neuronal Growth", <u>ACS Regional Mid-Atlantic Research Meeting</u> ,	
		SCHMALENBERG, K , "Patterning of polymer substrates for directed neuronal growth studies", <u>Laboratory for Surface Modification</u> , (March 18, 1999),	
		SCHMALENBERG, K , "Thin Stamp Microcontact Patterned Printing of Protein Layers on Polymer Substrates", <u>Transactions: Twenty-Fifth Annual Meeting of the Society for Biomaterials</u> , April 28-May 2, 1999,	
		SEIDEL, J O., "Erosion of Poly(anhydride-co-imides): A Preliminary Mechanistic Study", <u>J. Appl. Polym. Sci.</u> , 62(8), (1996),1277-1283	
		SHEN, E , "Morphological Characterization of Erodible Polymer Carriers for Drug Release", <u>Proc. 26th Int'l Symp. Control. Rel. Bioact. Mater.</u> , (1999),717-718	
		SPARGO, B. J., et al., "Spatially controlled adhesion, spreading, and differentiation of endothelial cells on self-assembled molecular monolayers", <u>Proceedings of the Natational Academy of Science USA</u> , 91(23), (1994),11070-11074	
		ST. JOHN, P M., "Diffraction-based cell detection using a microcontact printed antibody grating", <u>Analytical Chemistry</u> , 70(6), (March 15, 1998),1108-11	
		TASHIRO, K , et al., "A synthetic peptide containing the IKVAV sequence from the A chain of laminin mediates cell attachment, migration, and neurite outgrowth", <u>Journal of Biological Chemistry</u> , 264(27), (September 25, 1989),16174-82	
		UHRICH, K E., "Chemical Changes during in vivo degradation of poly(anhydride-imide) matrices", <u>Biomaterials</u> , 19(22), (1998),2045-2050	
		UHRICH, K E., "Degradation of poly(anhydride-co-imides): Novel Polymers for Orthopedic Applications", <u>Mat. Res. Soc. Symp. Proc.</u> , 394, (1995),41-46	
		UHRICH, K E., "In Vitro Degradation Characteristics of Poly(anhydride-imides) Containing Pyromellitylimidoalanine", <u>J. Appl. Polymer Sci., Part A, Polym. Chem.</u> , 34 (7), (1996),1261-1269	
		UHRICH, K E., "In Vitro Degradation Characteristics of Poly(anhydride-imides) Containing trimellitylimidoglycine", <u>J. Appl. Polymer. Sci.</u> , 63 (11), (1995),1401-1411	
		UHRICH, K E., "Poly(anhydride-ester) Degradation: Mechanical Changes and Correlation to Antibiotic Release", <u>American Chemical Society, Abstracts of Papers, Part 2, Abstract No. 121</u> , 221st ACS National Meeting, San Diego, CA,(2001),Abstract 121	

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		UHRICH, K E., "Synthesis and Characterization of Degradable poly(anhydride-co-imides)", <u>Macromolecules</u> , 28 (7), (1995),2184-2193	
		UHRICH, K E., "Synthesis and Characterization of poly(anhydride-co-imides): Solution Polycondensation of Biodegradable Polymers Derived from Amino Acids", <u>Proc. of the American Chemical Society, Division of Polymeric Materials: Science and Engineering</u> , 70, Spring Meeting, San Diego, CA,(1994),239-240	
		UHRICH, K E., "Synthesis of Aminosalicylate-based polyanhydride Prodrugs: Esters, Amides, and Azos", <u>American Chemical Society, Abstracts of Papers, Part 2, Abstract No. 407</u> , 222nd ACS National Meeting, Chicago, IL,(2001),Abstract 407	
		WOO, G L., "Biological Characterization of a Novel Biodegradable Antimicrobial Polymer Synthesized with Fluoroquinolones", <u>J Biomed Mater Res.</u> 59, (2002),pgs. 35-45	
		YAZDI, M , "Effects of non-steroidal anti-inflammatory drugs on demineralized bone-induced bone formation", <u>Journal of Periodontal Research</u> , 27(1), (1992), 28-33	

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